

ABSTRACT

In a hydraulic system for an automatic transmission, a method for
5 automatically draining fluid from an oil cooler and related hydraulic lines when power
is off to prevent fluid leakage, escape and outflow when they are disconnected from
the system. A control system includes a source of relatively high pressure when power
is on, an oil cooler, fluid circuit lines for supplying transmission oil to the cooler, a
source of low pressure for containing fluid, such as an oil sump, and a valve
10 hydraulically connected to the circuit, high pressure source, and low pressure source,
the valve having a first state at which a hydraulic connection through the valve
between the circuit and the source of low pressure is closed when power is on, and a
second state at which a hydraulic connection through the valve between the circuit and
the low pressure source is open when power is off.

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